

With the Beta series of fine roller mills, HÄNDLE's customers get a practice-proven, cutting-edge system for fine comminution at minimal possible roller gaps of 0.8 mm.

Fine roller mills Beta *WF*



The HÄNDLE Beta series

Primary and fine roller mills play a central role in the preparation of ceramic raw materials. Indeed, there is no alternative to roller mills for fine comminution as part of plastic preparation. Many brickmakers work with raw materials for which a roller gap of roughly 0.8 mm or wider achieves adequate comminution. HÄNDLE's Beta roller mill concept was developed as a cost-effective, state-of-the-art alternative to the Alpha II.

Beta fine roller mills are value-for-money machines offering effective roller gaps down to 0.8 mm. Four sizes are available with volumetric throughputs up to approx. 75 m³/h (132 t /h wet) for an 1-mm gap setting and a peripheral velocity of 20 m/s. And when we say "state of the art", we are talking about things like optimal cost-benefit ratio, gap consistency and convenience of operation.

Defining characteristics

- Very smooth, quiet operation thanks to vibration-cushioned uprights
- Strict retention of roller width gap
- Longer life spans for all wear parts and accordingly less maintenance required thanks to modern scraper technology, including optimized design of the hard-wearing scrapers
- "Piggyback arrangement" of drives and auxiliary drives
- Optimal cost-benefit ratio
- Quick, convenient adjustment of roller gap thanks to optional electric adjusting mechanism



Control cabinet with a full array of control elements, hydraulic power pack and digital roller-gap display

Technical data

TYPE	Roller diameter/ width mm	Barrel thick- ness inside/ outside mm	Roller pretension ¹	Volumetric throughput ²	Throughput capacity ²	Power requirement kW
			t	m ³ /h compact	t/h wet	
WF 1080e	1.000/ 800	144/ 110	50	40 - 42	70 - 74	2 x 55 - 90
WF 10100e	1.000/ 1.000	144/ 110	50	50 - 53	88 - 93	2 x 55 - 110
WF 10120e	1.000/ 1.200	140/ 118	70	60 - 63	106 - 111	2 x 90 - 132
WF 10150e	1.000/ 1.500	140/ 118	80	75 - 79	132 - 139	2 x 110 - 160

¹ Data specific to overload prevention with laminated disk spring assembly

² Volumetric throughput and throughput capacity relative to material from pan mill, 1 mm roller gap and 20 m/s circumferential speed.

Subject to technical modification due to ongoing development.